

**In the Specification:**

Page 8, first complete paragraph,

lines 4-8, delete in its entirety;

above line 9, insert a heading

**-- Summary of the Invention--.**

Page 11, between lines 11 and 12, insert as follows:

**--Brief Description of the Drawings**

Single figure of the drawings shows a diagram illustrating an expansion behavior of an inventive phyllosilicate intercalation compound.

**Detailed Description of the Preferred Embodiments--.**

Page 18, replace the second and third paragraph, lines 6-11, with two new paragraphs as follows:

--As a result of the thermomechanical analysis, carried out in this way, the TMA curve of a phyllosilicate intercalation compound, shown in the drawing in Figure 1, is obtained.

As shown in this Figure 1, the onset temperature (°C) mathematically represents the intersection of the baseline before the change in length of the sample and the tangent at the point of inflection of the expansion curve.--.